

CD1197 – Wadi Heedan/Wala Basin

Well CD1197 “ARAINBEH NO 4(OBS.)” in Wadi Heedan/Wala basin is representative of a monitoring well near a pumping center where water levels have declined steadily as previously forecast, and where the aquifer saturated thickness is forecast to be entirely depleted prior to 2020. Clark (2002) found that the water level in well CD1197 was declining about -3 m/yr during 1998-2001. The water level is currently declining -2.8 m/yr, which is also the long term trend using all data. The entire saturated thickness of the A7 aquifer at CD1197 is forecast to be depleted prior to 2020. The well extends to 305 m, but the interval 258-305 m is not a productive aquifer. The seasonal fluctuations shown in the hydrograph prior to 1997 do not appear in the recent data, and there is a data gap between these two periods with different seasonal fluctuations. There is a single measurement below 240 m that may be a typographical error in the database.

